WHAT IS CLAIMED IS:

(des					
MI	\nearrow	A computer-readable medium storing instructions adapted to be executed on a			
· / ₂	`\	processor to:			
3	`	\(a)	displa	ay, at a receiver, received data;	
4		(g)	analy	ze, at the receiver, the quality of the displayed data;	
5		(c)	formu	alate, at the receiver and based on the analysis in step (b), a media-	
6		\	\ paran	neter suggestion for the encoder to alter the characteristics of data	
7			to be	sent to the receiver; and	
8		(d)	send,	from the receiver, the formulated suggestion.	
1	2.	The co	mpute	r-readable medium of claim 1, further storing instructions adapted	
2		to be e	xecute	ed on a processor to:	
3		(e)	recei	ve, at the receiver, a user preference to be used in the analysis in	
4	•		step (b).	
1	3.	The co	ompute	er-readable medium of claim 2, wherein the instruction (a) to	
2		display	y data	includes instructions adapted to be executed by a processor to	
3		display	y, at the	e receiver, audiovisual data.	
1	4.	The co	omput	er-readable medium of claim 2, wherein the instruction (b) to	
2		analyze	e the qu	uality of the displayed data includes instructions adapted to be run	
. 3		on the	proces	ssor to analyze, at the receiver, the system load.	
1	5.	The co	omput	er-readable medium of claim 2, wherein the instruction (b) to	
2		analyze	e the qu	uality of the displayed data includes instructions adapted to be run	
3		on the	proces	sor to:	
4			(i)	analyze, at the receiver, component load, wherein a component	
5				is chosen from the set comprising a central-processing unit, a	
6				graphics card, and a texture-mapping engine.	

1	6.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be ru		
3		on the processor to formulate media-parameter suggestions that include:		
4		(i) send timing information identifying the point in time where the		
5		data was collected; and		
6		(ii) send timing information identifying the point in time when the		
7		suggested action should be honored.		
1	7.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be run		
3		on the processor to formulate media-parameter suggestions to:		
4		(i) alter the frame rate.		
1	8.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be run		
3		on the processor to formulate media-parameter suggestions to:		
4		(i) alter the color depth.		
1	9.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be run		
3		on the processor to formulate media-parameter suggestions to:		
4		(i) alter the window size.		
1	10.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be run		
3		on the processor to formulate media-parameter suggestions to:		
4		(i) alter audio channel characteristics.		
1	11.	The computer-readable medium of claim 2, wherein the instruction (c) to		
2		formulate a media-parameter suggestion includes instructions adapted to be run		
3	on th	e processor to formulate media-parameter suggestions to:		

4		(i) alter the graphics hardware load.
1	12.	The computer-readable medium of claim 2, wherein the instruction (c) to
2		formulate a media-parameter suggestion includes instructions adapted to be rur
3		on the processor to formulate media-parameter suggestions to:
4		(i) alter the CPU load.
1	13.	The computer-readable medium of claim 2, wherein the instruction (c) to
2		formulate a media-parameter suggestion includes instructions adapted to be run
3		on the processor to formulate media-parameter suggestions that include:
4		(i) altering the RAM amount available.
),		
$\sqrt{1}$	X	A method of transmitting data from a sender to a receiver across a network
2		comprising:
3		displaying, at the receiver, received data;
4		(b) analyzing, at the receiver, the quality of the displayed data;
5		(c) formulating, at the receiver and based on the analysis in step (b), a
6		media-parameter suggestion for the encoder to alter the characteristics
7		of data to be sent to the receiver; and
8		(d) sending, from the receiver, the formulated suggestion to alter the quality
9		of the received data.
1	15.	The method of claim 14, further comprising:
2		(e) receiving, at the receiver, a user preference to be used in the analysis in
3		step (b).
1	16.	The method of claim 15, wherein the displayed data is audiovisual data.
1	17.	The method of claim 15 wherein said analyzing step (b) is based on system
2		load.

1	18.	The method of claim 15 wherein said analyzing step (b) is based on component
2		load, where a component is chosen from the set comprising central-processing
3		unit, graphics, card, and texture mapping engine.
1	19.	The method of claim 15 wherein the formulated suggestion includes:
2		(i) timing information identifying the point in time where the data
3		was collected; and
4		(ii) timing information identifying the point in time when the
5		suggested action should be honored.
1	20.	The method of claim 15, wherein the formulated suggestion includes a
2		suggestion to:
3		(i) alter the frame rate.
1	21.	The method of claim 15, wherein the formulated suggestion includes a
2		suggestion to:
3		(i) alter the color depth.
1	22.	The method of claim 15, wherein the formulated suggestion includes a
2		suggestion to:
3		(i) alter the window size.
		•
1	23.	The method of claim 15, wherein the formulated suggestion includes a
2		suggestion to:
3		(i) alter audio channel characteristics.
1	24.	The method of claim 15, wherein the formulated suggestion includes a
2		suggestion to:
3		(i) alter the graphics hardware load.

The method of claim 15, wherein the formulated suggestion includes a

25.

1

2		suggestion to:		
3		(i) alter the CPU load.		
1	26.	The method of claim 15, wherein the formulated suggestion includes a		
2		suggestion to:		
3		(i) alter the RAM amount available.		
Sign		A math ad far transmitting data agrees a naturally assumptions		
1		A method for transmitting data across a network comprising:		
2	/	a. transmitting data to a receiver;		
3		b. receiving a suggestion to alter the transmitted data;		
4		c.\ selecting, based on the received suggestion, an action to alter the data;		
5		and		
6		c. altering the transmitted data.		
1 .	28.	The method of claim 27, wherein the data transmitted in step (a) includes		
2	20.	audiovisual data.		
2		audio visuali dalli.		
1	29.	The method of claim 27, wherein the received suggestion includes:		
2		(i) timing information identifying the point in time where the data		
3		was collected; and		
4		(ii) timing information identifying the point in time when the		
5		suggested action should be honored.		
1	20			
	30.	The method of claim 27, wherein the received suggestion includes:		
2	30.	The method of claim 27, wherein the received suggestion includes: (i) altering the frame rate.		
2	30.	**		
2	31.			
		(i) altering the frame rate.		
1	31.	(i) altering the frame rate.The method of claim 27, wherein the received suggestion includes:(i) altering the color depth.		
1		(i) altering the frame rate. The method of claim 27, wherein the received suggestion includes:		

1	33.	The method of	f claim 27, wherein the received suggestion includes:
2		(i)	altering audio channel characteristics.
1	34.	The method of	claim 27, wherein the received suggestion includes:
2		(i)	altering the graphics hardware load.
1	35.	The method of	f claim 27, wherein the received suggestion includes:
2		(i)	altering the CPU load.
0 /			
1		• •	or transmitting data from a sender to a receiver across a network
		comprising:	
3	· ·	(a) a proce	essor;
4		(b) a port of	coupled to said processor; and
5		(c) a mem	ory coupled to said processor and said port, storing instructions
6		adapted	d to be run on said processor to:
7		(i)	display, at the receiver, received data;
8		(ii)	analyze, at the receiver, the quality of the displayed data;
9		(iii)	formulate, at the receiver and based on the analysis in (ii), a
10		\	media-parameter suggestion for the encoder to alter the
11			characteristics of data to be sent to the receiver; and
12		(iv)	send, from the receiver, the formulated suggestion to alter the
13			quality of the received data.
1	37.	The apparatus	in claim 36, wherein the memory further stores instructions
2		adapted to be r	run on said processor to:
3		(v)	receive, at the receiver, a user preference to be used in the
4			analysis in (ii).
1	38.	The apparatus	in claim 36, wherein the formulated suggestion includes timing
2		• •	lentifying when the data was collected, and timing information
3			en the suggested action should be honored.
ر		identifing wii	on the babbasia action bildara de noncia.

8

160807:2685/112592:SDS

(ii)

1 39. The apparatus in claim 36, wherein the formulated suggestion includes a 2 suggestion to alter the frame rate. 40. The apparatus in claim 36, wherein the formulated suggestion includes a 1 2 suggestion to alter the color depth. 1 41. The apparatus in claim 36, wherein the formulated suggestion includes a 2 suggestion to alter the window size. 1 42. The apparatus in claim 36, wherein the formulated suggestion includes a 2 suggestion to alter the audio characteristics. The apparatus in claim 36, wherein the formulated suggestion includes a 1 43. 2 suggestion to alter the hardware load. 1 The apparatus in claim 36, wherein the formulated suggestion includes a 44. 2 suggestion to alter the CPU load. 1 45. The apparatus in claim 36, wherein the formulated suggestion includes a suggestion to alter the RAM amount available. An apparatus for transmitting data from a sender to a receiver across a network comprising: 3 a processor; (b) a port coupled to said processor; and 5 (c) a memory coupled to said processor and said port, storing instructions adapted to be run on said processor to: 6 transmit data to a receiver; 7 (i)

receive a suggestion to alter the transmitted data; and



- (iii) selecting, based on the received suggestion, an action to alter the data; and
- (iv) altering the transmitted data.
- The apparatus in claim 46, wherein the received suggestion includes timing information identifying when the data was collected, and timing information identifying when the suggested action should be honored.
- 1 48. The apparatus of claim 46, wherein the received suggestion includes altering the frame rate.
- 1 49. The apparatus of claim 46, wherein the received suggestion includes altering the color depth.
- 1 50. The apparatus of claim 46, wherein the received suggestion includes altering the window size.
- 1 51. The apparatus of claim 46, wherein the received suggestion includes altering audio channel characteristics.
- 1 52. The apparatus of claim 46, wherein the received suggestion includes altering the hardware load.
- 1 53. The apparatus of claim 46, wherein the received suggestion includes altering the CPU load.